IV. PHYSICAL AND BIOLOGICAL SCIENCES

Minimum Requirement: 12 Semester or 18 Quarter units

Core study area includes all courses in the biological sciences or chemistry.

Agriculture, Environment & Society
Agriculture, Nature & Society
Animal Sciences
- Biology
- Genomics
- Health & Disease
- Husbandry
- Nutrition & Feeding
- Parasitology
- Systems

Apiculture
Applied Physical Sciences
Artificial Insemination
Aspect of Crop Productivity
Atmospheric Chemistry
Bacterial Genetics
Bacterial Physiology
Bacteriology
Behavioral Ecology of Insects
Bimolecular and Metabolism
Bio Diversity
Biodiversity and the Tree of Life
Bioenergetics and Metabolism
Biological Sciences
- General Biology
- Aquatic Insects
- Botany
- Cell and Molecular
- Entomology
- Field Methods in Wildlife, Fish, Conservation
- Invertebrate Zoology
- Marine Invertebrates
- Parasitism
- Zoology

California Insect Diversity
California Waters
Chemistry
- General Chemistry
- Biological Chemistry
- Hydrosphere Chemistry
- Inorganic Chemistry
- Organic Chemistry
- Qualitative Analysis

Community Ecology
Conservation of Natural Resources
Crops
- Ecology
- Improvement
- Physiology

Dairy Science
Ecology
- General Ecology
- Crop Ecology
- Ecology & Conservation of Vertebrates
- Ecology of Insect Parasitoids
- Human

Elements of Health and Safety
Enology
Environmental Sciences
- Concepts and Issues
- Hazards to Health
- Horticulture/Urban Forestry
- Impact Assessments

Erosion Control & Drainage Engineering
Field Taxonomy and Ecology
Forensic Entomology
Functional Insect Morphology
Fire Science Management
Fruit Science
Forest Production & Restoration Ecology
Geology
- General
- Physical

Geomorphology
Grapevine Growth and Physiology
Growth and Yield of Cultivated Plants
Herbaceous Plants, Trees & Shrubs
Husbandry (any)
Hydrological Sciences
Identification & Ecology of Grasses
Insect Diversity

Insect Morphology
Insect Physiology
Insect Systematics DAVIS
Integrative Biology
Introduction to Evolution
Insect Population Ecology
Introductory Physiology
Mamma logy
Meat Science
Medical Entomology
Medical and Veterinary Entomology
Mushroom Identification
Mycology
Natural History of Insects
Natural Resource Ecology & Habitat Management
Natural Resource Conservation
Ornamental Plants
- Herbaceous
- Identification
- Plants, Trees, Shrubs
People, Pests and Plague
Pesticide Training
Physiological Ecology
Physiology and Diseases
Physiology of Cultivated Plants
Plant Sciences
- Anatomy
- Biology
- Biotechnology
- Breeding
- Ecology
- Genetics
- Growth & Development
- Improvement
- Material, Tree, Shrubs
- Morphology and Evolution
- Physiology
- Physiology of Cultivated Plants
- Plants and their Environment
- Plant Reproduction Systems
- Plants and the Biosphere
- Plants for Garden, Orchard & Landscape
- Plants and Society
- Virus-Vector Interactions
Population and Quantitative Genetics
Population Biology and Ecology
Poultry: Anatomy and Physical Science
Principles of Ecology and Evolution
Principles of Range Management
Range Plants
Regulation of Cell function
Reproductive Physiology
Role of Fire in Natural Ecosystems
Sierra Nevada Flora
Soil Ecology
Soil Morphology
Soil Physics
Structure and Function of Bimolecular
Survey of Plant Communities in California
Systematic Evolution of Angiosperms
Taxonomy and Ecology